

Abstract of the Disclosure

FUEL SYSTEM WITH LEAK LOCATION DIAGNOSTIC FEATURES AND
COMPONENT FOR SAME

A leak diagnostic strategy for an engine equipped with a high pressure common rail fuel system includes a plurality of separate leak lines. Each of the leak lines is constructed and positioned to capture fuel leaking from one of several different high pressure spaces associated with the fuel system. Once a leak is detected, the location of the leak can be diagnosed by opening different leak diagnostic ports until fuel is evacuated from the system. Each of the leak diagnostic ports is associated with one of the leak lines. The system allows for quick determination of a leak location without cumbersome testing or partial dismantlement of engine related subsystems and components.